

Front -
The missing
into plus

DATE 7/12/76

4
7/16/76

TO Dr. W. Cowherd
CATION: Production Planning

cc Mr. J. R. Hulm
Mr. J. Nims
Mr. C. F. Bien

THIS COPY FOR

FROM F. A. Eschle
CATION: Production Planning

204780



SUBJECT: CHEMICAL WASTE DISPOSAL

Attached is a Star Ledger report, 7/9/76, on a DEP dump shut down. The site is in Scotch Plains (Kin-Buc) and operated by Scientific Inc. (Exhibit #1).

~~Mr. Bien talked with me on 7/9/76 regarding the affect on GAF Linden. I advised him that this action will not affect our Disposal Program; because GAF Linden does not utilize this contract disposal service.~~

~~On 3/3/76, (attached), I reported a change on registered waste processing facilities. N.J.D.E.P. had dropped Scientific Inc., from the 1976 listing (Exhibit #2).~~

In May of 75, Scientific Inc. made a strong effort to sell their service (attached memo). The main reason this service was never utilized was because of the service limitations; ~~(only a chemical dump site).~~ Exhibit #3).

F. A. Eschle
F. A. Eschle

rgw
Attachment

RECEIVED

JUL 14 1976

CHARLES F. BIEN

Star-Ledger - July 9, 1967

of lone chemical dump

Exhibit I

By LAWRENCE NAGY

The State Department of Environmental Protection (DEP) yesterday ordered New Jersey's only chemical landfill to close in 10 days for "continuing violations of the state's environmental standards."

The DEP order against the Kin-Buc landfill in Edison came two days after a state appeals court judge reopened the 30-acre site after the facility was closed briefly by police acting under orders from township officials.

The chemical waste land-

fill, owned by Scientific, Inc. of Scotch Plains, has been the target of criticism from residents and municipal and county officials that Edison was being overburdened with concentrated dumping of chemical wastes at the site.

The shutdown order, issued by Beatrice S. Tylutki, DEP director of solid waste administration, calls for operations at the facility to be halted in 10 days and carries a maximum fine of \$1,000 a day for non-compliance.

Kin-Buc has been cited by DEP for numerous violations

of environmental regulations including seepage of leachate from the site into the Raritan River.

"The severity of the environmental abuses at this landfill has increased at an alarming rate in recent months," according to Tylutki's announcement.

"Continued operations at that site can no longer be tolerated," she concluded.

Tylutki's announcement surprised both Edison and Middlesex County officials as well as the landfill operators.

(Please turn to Page 16)

of lone chemical dump

(Continued from Page One)

County and municipal officials had been critical of DEP for its enforcement of environmental regulations at Kin-Buc.

Edison Mayor Thomas H. Paterniti, who had led the campaign to have the operation shut down, welcomed the news of Tylutki's order.

"The news was music to my ears. We're very happy to hear it," Paterniti said.

"We have tried every possible avenue to close that dump. Everybody realizes its potential hazard in the area. It has no place here," he added.

Theodore O'Neill, administrator of Middlesex County's Solid Waste Management Program, had a mixed reaction to the DEP order. He indicated he was pleased that DEP "is willing and able to act concerning environmental problems," but added that the shutdown is "going to create a crisis for many industries that rely on the site."

"There is no question that for some industries this is going to be a serious problem," he said. Kin-Buc, the only landfill approved by DEP for the dumping of liquid chemical wastes, is of key importance to New Jersey's vast chemical industry, he said.

O'Neill had recommended to the DEP in April that the chemical industry's reliance on the site be reduced by limiting the quantities of wastes that could be accepted at Kin-Buc by inviting up to six other landfills to accept up to 7 million gallons of liquid wastes a

year each.

O'Neill said Tylutki rejected the plan despite his warnings that continued concentrated dumping of chemical wastes at Kin-Buc would create such a severe environmental hazard that the whole facility eventually would have to be shut down, creating a crisis for the state's chemical industry.

O'Neill's office and an advisory group of chemical industry representatives have been developing an "emergency response program" for the past two months in anticipation of a possible sudden shutdown of Kin-Buc.

A survey of other chemical processing and landfill facilities in New Jersey revealed eight sites owned by six firms that could handle some of the chemicals which had been dumped daily at Kin-Buc.

"It's not a full solution by any means, but only a partial solution," O'Neill said. He noted the alternative could only handle a fraction of the chemical waste dumping done at Kin-Buc and some of the processing facilities even rely on Kin-Buc for disposal of waste by-products from recycling.

Theodore Schwartz, Kin-Buc attorney, who called the DEP order "a very brazen action," said the closing of the landfill "would be a disaster to the chemical industry."

Schwartz is expected to appear today before Superior Court Judge David D. Furman in New Brunswick to present arguments on an order issued to Edison officials to show cause why they should not be

restrained from enforcing a municipal ordinance limiting the height of Kin-Buc.

The dump was closed briefly when Furman refused to restrain township officials from enforcing the regulation on Tuesday. He was overruled by Judge John W. Fritz of the Appellate Division of Superior Court, who issued a temporary injunction sought by Schwartz.

Schwartz charged delays by DEP officials in approving plans for a chemical landfill called Kin-Buc II and a processing facility called Kin-Buc III resulted in overburdening the present 30-acre Kin-Buc I site with waste chemicals. Kin-Buc II and III are adjacent to Kin-Buc I.

He said Tylutki asked the landfill operators to "work out a plan phase in Kin-Buc II and III while Kin-Buc I continues to operate."

Schwartz said since Kin-Buc was the only landfill approved for liquid chemical wastes, the present 30-acre site had to continue accepting the wastes while the landfill operators waited for approval to open the adjacent facilities.

Under the DEP closing order, Kin-Buc will be required to submit a detailed plan for shutting down the facility to insure groundwater supplies will not be contaminated by leachate.

Tylutki indicated the U.S. Environmental Protection Agency, which has been monitoring air and water around the site, is expected to announce legal action soon against Kin-Buc.

Exhibit No 2.)

DATE 3/3/76

TO Dr. W. Cowherd
LOCATION Production Planning

FROM F. A. Eschle
LOCATION Production Planning

cc Mr. S. Graziano
Mr. J. R. Hulm
Mr. V. Ujcic

SUBJECT: WASTE PROCESSING FACILITIES

Attached is a listing of services registered with the "Department of Environmental Protection."

Each year I request an updated report that supports the services I use for GAF. The 1976 Report was received on March 2, 1976.

The 76 report indicates some deletions, compared to 75.

1. Ray Solvents Inc. (under National Converters, Inc) P.#1.
2. ~~Scientific Inc. (under Solvent-Rec. Services of N.J.) P.#2.~~

Neither of these services were ever used by GAF during the past 5 years.

NOTE: Scientific Inc. was used when GAF was a Glycol producer, for disposal of Glycol bottoms.

~~During 1976, we will continue to use: Marisol Chemical and Scientific Chemical Processing.~~ Both services are on the list.

I am expecting an updating of "Oil Spill Clean up Contract" will issue the listing.


F. A. Eschle

rg
Attachment

Rec. 3/2/76

1:37 P.M.

New JerseyCompanyType of Waste Accepted

Astro Pak Corporation
P.O. Box 416
Edison, New Jersey 08817
(201) 549-1788

Only Neutralize - predominately petro-base wastes including still & tank bottoms, and organic sludge - also chemical waste and chemical by-products waste.

Blackwood Carbon Products
Little Gloucester Road
Blackwood, New Jersey
(609) 227-8822

Recycle waste oil to obtain grade III home heating oil.

Browning-Ferris Industries, Inc.
Chemical Services Division, Inc.
P.O. Drawer C
Pedricktown, New Jersey 08867
(609) 299-0835

Liquid & Semi-Liquid Wastes

Chemical Control Corporation
23 South Front Street
Elizabeth, New Jersey
(201) 351-5460

Incinerator disposal of chemical waste

~~Marisol Inc.~~
125 Factory Lane
Middlesex, New Jersey 08846
(201) 469-5100

Liquid organic chemicals, cleaners, halogenated hydrocarbons, and oil wastes for reclamation

National Converters, Inc.
457 Chestnut Street
Union, New Jersey
(201) 964-1550

All solvents, acid, alkalis, and other chemicals

Rollins Environmental Services, Inc.
P.O. Box 221
Bridgeport, New Jersey 08014
(609) 467-3100

Industrial chemical wastes and limited explosives or poisons, including: acids, caustics, chlorinated and non-chlorinated organics, plating and etchant solutions, paint sludges, pesticides, cyanide, scrubber effluents, etc.

Science General Corporation Industries
Old Water Works Road
P.O. Box 26
Old Bridge, New Jersey
(201) 469-2800

Chemical Wastes

Scientific Chemical Processing
216 Paterson Plank Road
Carlstadt, New Jersey 07072
(201) 939-0467

Type of Waste Accepted

Solvents, Paint

Solvent Recovery Service of New Jersey
Sylvan Street
Linden, New Jersey
(201) 925-8600

Chemical Wastes, Recovery of solvents
from liquids and solids. Specialize
in distillation for recovery of solvents.

New YorkCompany

Chemical Waste Disposal Corporation
42-14 19th Avenue
Astoria, New York 11105
(212) 274-3339

Type of Waste Accepted

Recovery/distillation of chlorinated
solvents, and related solvents

Chem-Trol Pollution Services, Inc.
P.O. Box 200
Model City, New York 14104
(716) 754-8231

Most types of chemical-related wastes
including solvents/cleaners, halogenated
hydrocarbons, paint & coating sludges,
oils and oily waste, toxic acids, alkalis,
plating/etching wastes, cyanides, heavy
metal solutions & residues, pesticides/PCB's
carcinogens, sludges and solids, arsenic
and mercury wastes.

Frontier Chemical Waste Process, Inc.
4626 Royal Avenue
Niagara Falls, New York 14303
(716) 285-8200

Industrial by-products and wastes of both
organic and inorganic composition and of
spec. materials. Electroplating; metal-
finishing waste of heavy metals (Cr, Ca,
Ni, Zn, Cd, Hg, Sn, Sb, Pb, As, etc.),
acids, bases, salts, cyanide, cyanate,
carcinogenics, compounds, oil, paints, inks,
heterocyclics and halogenated compounds.

Pollution Abatement Services
155 East Third Street
Oswego, New York 13126
(315) 343-3356

Oil wastes, paint sludges, solvents/cleaners
still and tank bottoms, and generally any
organic or aqueous liquid.

Recycling Laboratories
112 Harrison Place
Syracuse, New York 13202
(315) 422-4311

Industrial solvents (chlorinated and non-
chlorinated caustics and acids with heavy
metals, oil, vinyl, polyesters and pigment
sludges.

11a

Company

Chemfix Corporation
2901 Banksville Road
Pittsburgh, Pennsylvania
(412) 343-8611

Type of Waste Accepted

Heavy metals, Neutralizes pickle liquors, cyanides, sludges, liquid and semi-liquid waste sludges - Handles only non-organics.

MassachusettsCompany

Chemical Application Company
116 Water Street
Beverly, Massachusetts 01915
(617) 927-1680

Type of Waste Accepted

Acids, caustics, halogenated hydrocarbons, oil wastes, solvent/cleaners, still and tank bottoms.

Safety Projects and Engineering, Inc.
3 Malden Street
West Quincy, Massachusetts
(617) 471-1327

No available list

Silresim Chemical Corporation
86 Tanner Street
Lowell, Massachusetts 01852
(617) 459-7342

Oil waste, solvents

MaineCompany

The Crago Company, Inc.
P.O. Box 409
Gray, Maine 04039
(207) 657-4785

Type of Waste Accepted

Acids, caustics, halogenated hydrocarbons, heavy metals in solution, oil waste, paint sludge, pesticides, sludge and tank bottoms.

[Faint handwritten notes at the bottom of the page]

1975

Company

Astro Pak Corporation
P.O. Box 416
Edison, New Jersey 08817
(201) 549-1788

Blackwood Carbon Products
Little Gloucester Road
Blackwood, New Jersey
(609) 227-8822

Browning-Ferris Industries, Inc.
Chemical Services Division, Inc.
P.O. Drawer C
Pedricktown, New Jersey 08867
(609) 299-0835

Chemical Control Corporation
23 South Front Street
Elizabeth, New Jersey
(201) 351-5460.

Marisol Inc.
125 Factory Lane
Middlesex, New Jersey 08846
(201) 469-5100

National Converters, Inc.
457 Chestnut Street
Union, New Jersey
(201) 964-1550

Ray Solv Inc.
1200 Sylvan Street
Linden, New Jersey 07036
(201) 925-3666

Rollins Environmental Services, Inc.
P.O. Box 221
Bridgeport, New Jersey 08014
(609)467-3100

Science General Corporation Industries
Old Water Works Road
P.O. Box 26
Old Bridge, New Jersey
(201) 469-2800

Type of Waste Accepted

Only Neutralize - predominately petro-base
'wastes including still & tank bottoms, and
organic sludge - also chemical waste and
chemical by-products waste.

Recycle waste oil to obtain grade III home heating oil.

Liquid & Semi-Liquid Wastes

Incinerator disposal of chemical waste

Liquid organic chemicals, cleaners,
halogenated hydrocarbons, and oil
wastes for reclamation

All solvents, acid, alkalis, and other chemicals

Solvent Recovery, recover alcohols, esters, ketones, aromatics, chlorinated hydrocarbons, amides, etc.

Industrial chemical wastes and limited explosives or poisons, including: acids caustics, chlorinated and non-chlorinated organics, plating and etchant solutions, paint sludges, pesticides, cyanide, scrubbing effluents, etc.

Chemical Wastes

~~Scientific-Chemical Processing~~
216 Paterson Plank Road
- Carlstadt, New Jersey 07072
(201) 939-0467

Solvent Recovery Service of New Jersey
Sylvan Street
Linden, New Jersey
(201) 925-8600

~~Scientific, Inc.~~
Edison and South Jersey
(Central Office) 17 East Second Street
Scotch Plains, New Jersey 07076
(201) 322-6767

New York

Company

Chemical Waste Disposal Corporation
42-14 19th Avenue
Astoria, New York 11105
(212) 274-3339

Chem-Trol Pollution Services, Inc.
P.O. Box 200
Model City, New York 14104
(716) 754-8231

Frontier Chemical Waste Process, Inc.
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Pollution Abatement Services
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Recycling Laboratories
112 Harrison Place
Syracuse, New York 13202
(315) 422-4311

Solvents, Paint

Chemical Wastes, Recovery of solvents
from liquids and solids. Specialize
in distillation for recovery of solvents.

Solvents/cleaners, oil, waste waters,
high BOD and COD streams

Type of Waste Accepted

Recovery/distillation of chlorinated
solvents, and related solvents

Most types of chemical-related wastes
including solvents/cleaners, halogenated
hydrocarbons, paint & coating sludges,
oils and oily waste, toxic acids, alkalis,
plating/etching wastes, cyanides, heavy
metal solutions & residues, pesticides/PCB's,
carcinogens, sludges and solids, arsenic
and mercury wastes.

Industrial by-products and wastes of both
organic and inorganic composition and of
spec. materials. Electroplating; metal-
finishing waste of heavy metals (Cr, Ca,
Ni, Zn, Cd, Hg, Sn, Sb, Pb, As, etc.),
acids, bases, salts, cyanide, cyanate,
carcinogenics, compounds, oil, paints, inks,
heterocyclics and halogenated compounds.

Oil wastes, paint sludges, solvents/cleaners
still and tank bottoms, and generally any
organic or aqueous liquid.

Industrial solvents (chlorinated and non-
chlorinated caustics and acids with heavy
metals, oil, vinyl, polyesters and pigment
sludges.

Pennsylvania

Company

Chemfix Corporation
2901 Banksville Road
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(412) 343-8611

Type of Waste Accepted

Heavy metals, Neutralizes pickle liquors, cyanides, sludges, liquid and semi-liquid waste sludges - Handles only non-organics.

Massachusetts

Company

Chemical Application Company
116 Water Street
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(617) 927-1680

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Acids, caustics, halogenated hydrocarbons, oil wastes, solvent/cleaners, still and tank bottoms.

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3 Malden Street
West Quincy, Massachusetts
(617) 471-1327

No available list

Silresim Chemical Corporation
86 Tanner Street
Lowell, Massachusetts 01852
(617) 459-7342

Oil waste, solvents

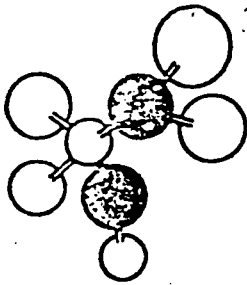
Maine

Company

The Crago Company, Inc.
P.O. Box 409
Gray, Maine 04039
(207) 657-4785

Type of Waste Accepted

Acids, caustics, halogenated hydrocarbons, heavy metals in solution, oil waste, paint sludge, pesticides, sludge and tank bottoms.



SCIENTIFIC, INC.

Exhibit no 3

P. O. Box 190 • 1703 E. Second Street • Scotch Plains, New Jersey 07076 • (201) 322-6767

May 30, 1975

G.A.F. Corp.
1361 Alpo Road
Wayne, New Jersey 07470

Gentlemen:

Confirming our discussion between your Mr. Frank Inzerillo and Charles Bien of your Environmental Department of May 29, 1975, regarding proper disposal of your chemical wastes, attached are copies from Chapter VIII, which specifically sets the responsibility of the generator or owner of the waste, who is responsible to see that said materials are properly disposed of at a proper disposal site.

Also enclosed, find a copy of our certification which stipulates the various chemicals and materials we can take at our facility and the registration number, which allows us to properly dispose of your chemical waste.

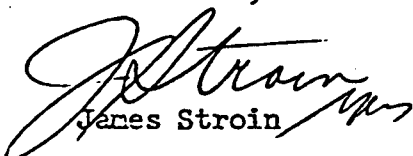
We are also attaching a copy of a letter which spells out the proper labeling of all drums by Federal Law. As you can see, our business is not only collecting the material and taking it to a facility for disposal. Our company has the advantage of having the disposal area, and you can be sure that if our company is involved in pickup of your material, it will definitely be disposed of in a proper manner.

Attached also is a copy of the new price list of the various materials which we have picked up from you in the past.

I hope that this meets with all your present and future needs and we look forward to servicing you in the near future.

Very truly yours,

SCIENTIFIC, INC.


James Stroin

JS:yb

enc.

c.c: Frank Inzerillo,
J.A. Rawlins, Purchasing Agent
Paul J. Komisky, Purchasing
Fred Eschce, Linden, New Jersey

G. A. F. CORPORATION

CHEMICAL WASTE

HAZARDOUS

55-gallon drums packed laboratory chemicals-----	\$75.00 each
55-gallon drums (acids, amines, cyanides, chlorids, etc)-----	50.00 each
Carboys or small drums.....	35.00 each
5-gallon pails of contaminated slop, acid, etc.....	11.50 each

NON-HAZARDOUS

55-gallon drums Waste Solvents.....	\$8.00 each
5-gallon pails Waste Solvents.....	3.00 each

Lecture Cylinders

Small.....	\$10.00 each
Medium.....	35.00 each
Large.....	75.00 each
Packing Charge (where applicable),.....	25.00 hr.

New price list as of May 29, 1975.--

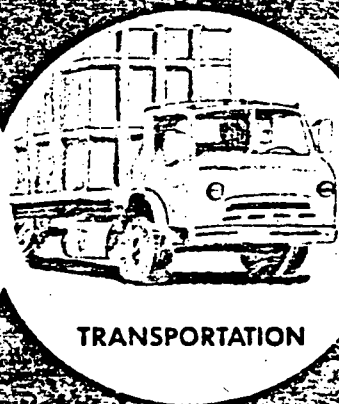
Jim Stroin
SCIENTIFIC, INC.



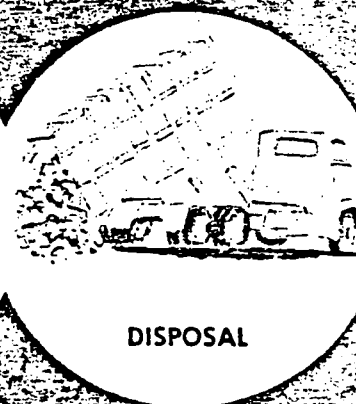
**The complete answer
to waste disposal for industry**



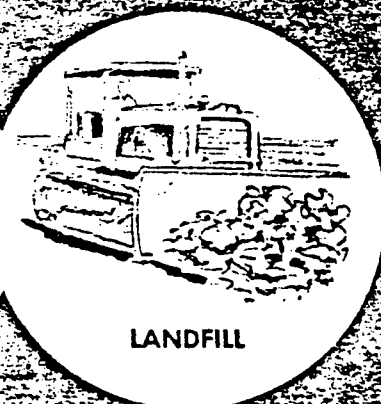
HANDLING



TRANSPORTATION



DISPOSAL

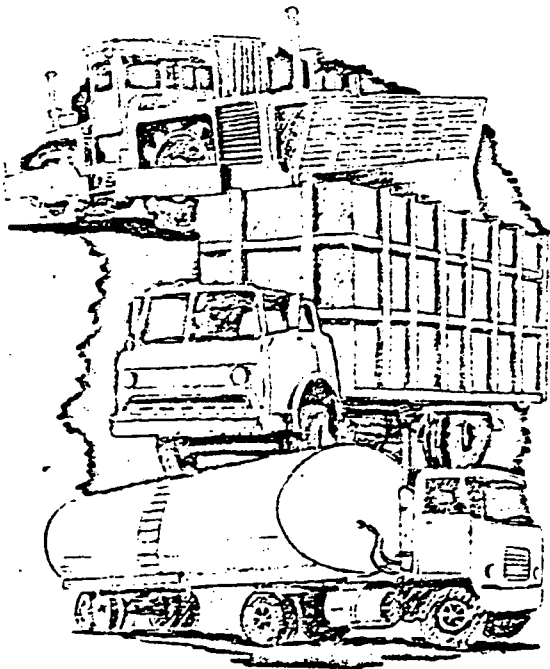


LANDFILL

SCIENTIFIC'S answer to commerce and industry:

Modern disposal methods for every kind of waste.

*From collection to disposal,
a complete waste management service.*



One of the greatest concerns facing industry today is the mounting problem of waste disposal. How to handle it efficiently. How to dispose of it effectively. And how to control the rising cost.

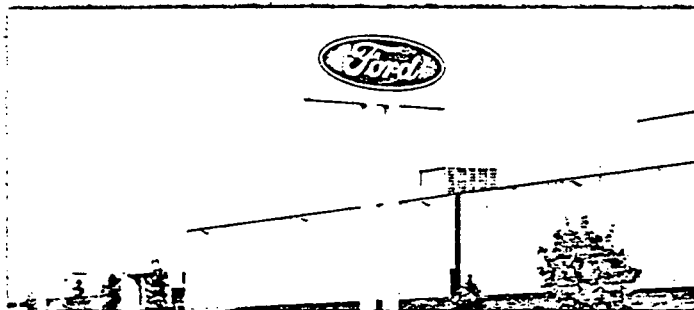
As one of the foremost waste management companies in the East, Scientific, Inc. has the resources and the know-how to help solve your waste disposal problems and reduce your costs at the same time.

Scientific offers a complete waste management and disposal service, including any or all of the steps for meeting your special requirements. From compaction and container systems... to transportation and waste-hauling... to disposal at our own sanitary landfill sites, Scientific gives you the answers you need.

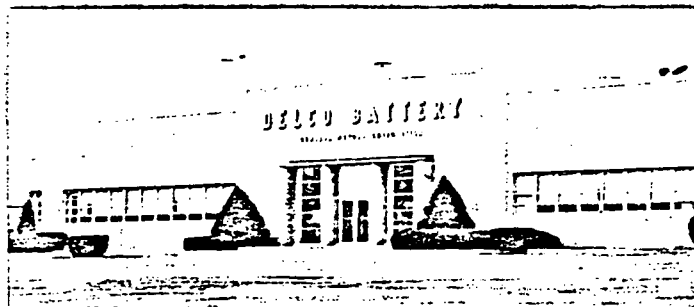
Scientific's disposal know-how applies to all kinds of wastes, too. For solids, semi-solids, bulk liquids or special wastes, Scientific is ready to come up with the systems and methods to give you a better waste disposal program and lower operating costs.

SCIENTIFIC tailors waste disposal systems to meet your specific requirements!

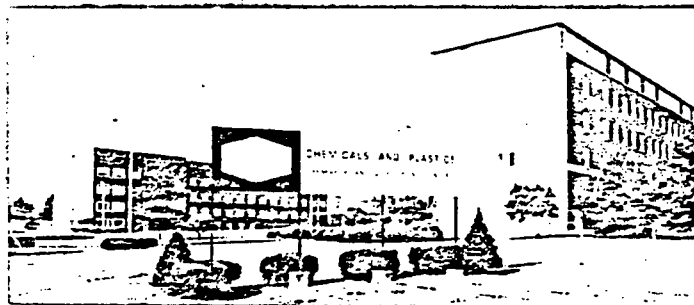
Some well-known users of our disposal services



FORD MOTOR COMPANY
Edison, N.J.



DELCO-REMY DIV.
General Motors Corp., New Brunswick, N.J.



UNION CARBIDE CORP.
Bound Brook, N.J.

Among the users of Scientific Equipment and Services

A & P FOOD WAREHOUSES
Yeadon, Pa.

A & P SUPERMARKETS
Philadelphia Sales Region

ALLIED CHEMICAL CORP.
Claymont, Delaware

AMERICAN CYANAMID CO.
Princeton, N.J.

AMERICAN HOSPITAL SUPPLY
Edison, N.J.

ATLANTIC REFINING CO.
Philadelphia, Pa.

J.T. BAKER CO.
Phillipsburg, N.J.

BOEING AIRCRAFT CORP.
Delaware County, Pa.

COLGATE-PALMOLIVE COMPANY
Jersey City, N.J.

CELANESE CORP.
Summit, N.J.

CIBA PHARMACEUTICALS
Summit, N.J.

DIAMOND SHAMROCK CO.
Morristown, N.J.

E.I. DUPONT
Linden, N.J.

EXXON CORP.
Bayonne, N.J.

FOOD FAIR DISTRIBUTION CENTER
Philadelphia, Pa.

GAF CORP.
Wayne, N.J.

HAHNEMAN HOSPITAL
Philadelphia, Pa.

HATCO CHEMICAL DIV.
W.R. Grace & Co.
Fords, N.J.

HERCULES CHEMICAL CORP.
Wilmington, Del.

J. M. HUBER CO.
Edison, N.J.

KOPPERS COMPANY
Westfield, N.J.

LEVER BROTHERS
Edgewater, N.J.

MERCK & COMPANY
Rahway, N.J.

MERCK, SHARPE & DOHME
Philadelphia, Pa.

M & T CHEMICAL CO.
Rahway, N.J.

ORBIS PRODUCTS COMPANY
Newark, N.J.

CHARLES PFIZER CO.
Groton, Conn.

VICKS MFG. COMPANY
Hartford, Pa.

WESTINGHOUSE ELECTRIC CO.
Lester, Pa.

Serving business and industry throughout the Metropolitan East

SCIENTIFIC provides waste disposal services to companies throughout the New York and Philadelphia commercial zones. We are equipped to handle all of your industrial waste problems at plant locations in Central and Southern New Jersey, Philadelphia and Eastern Pennsylvania, and Northern Delaware. Waste hauling and container transportation service is provided throughout the entire area. Our subsidiary companies operate sanitary landfills at three strategic locations: Edison, N.J. and Deptford, N.J., with more than 500 acres to serve your requirements.



Call or write for a no-obligation survey by a SCIENTIFIC waste disposal expert.

Looking for solutions to your waste disposal problem? Concerned about rising waste-handling costs? A SCIENTIFIC representative is ready to give you some informative answers as part of a free no-obligation survey of your present waste-handling operations.

He'll help you pin-point trouble-spots and identify sources for potential savings. He'll present valuable facts on compactors, containers, collection methods, housekeeping, waste hazards,

manpower, pollution control regulations, and systems costs.

And he'll offer suggestions for improving your operation and show you how SCIENTIFIC can help you develop better waste-handling methods as part of an efficient, economical waste disposal program. It will pay you to talk to your SCIENTIFIC man. Give him a call or mail the enclosed postage-paid reply card today.



SCIENTIFIC, INC.

1703 East Second Street, Scotch Plains, N.J. 07076

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

April 5, 1966

TO: Mr. Charles F. Biea
Technical Services
PED - Linden

FROM: John B. Burt
Technical Services
PED - Linden

SUBJECT: Liquid/Solid Waste
Disposal - Linden Plant

CC: Mr. J. Birmingham - New York
Dr. C. H. Bowman
Mr. G. Carhart
Mr. J. W. Conlon - New York
Dr. W. C. Craig
Mr. G. F. Dappert - New York
Mr. F. Eschle
Mr. H. Hastrup
Mr. F. Inzerillo /
Mr. H. Knutsen
Dr. J. C. Lawler - New York
Mr. H. R. Leary
Mr. E. Manapace - New York
Dr. J. B. Moxmington
Mr. G. Weierstall - New York
PED Files

The attached proposal was received from the Scientific Chemical Treatment Company, Elizabeth, New Jersey in response to earlier conversations with them regarding removal and disposal of certain liquid/solid wastes from the Linden Plant. As was also requested, this proposal includes "hold harmless" clauses which are desired in order to protect General Aniline and Film Corporation from liability for these wastes after they have been loaded into or onto the vendor's trucks. It is understood that the vendor will bury all of the subject wastes, except the Lube Oil, in the Edison Township Dump which he has purchased for the purpose of industrial waste disposal. The vendor indicates that he will resell the Waste Lube Oil.

Approximate disposal costs, based upon the subject quotations, have been worked out and are presented in the attached Appendix I. The annual waste volume figures are based upon information received from the respective manufacturing areas at Linden.

The Acetone/Alcohol and the Iron Sludge wastes are currently handled in bulk and their disposal prices are quoted on that basis in the attached proposal. Consequently, for off-plant disposal no additional containers would be required for these two materials. The Metachloronitrobenzene Bottoms, the Polychlorbenzoylchloride (Amiben) Bottoms, the Tars from Para-Toluidine Recovery, the Tars from Dichlorobenzene Recovery, the Tars from Nitrobenzene Recovery, and the Waste Lube Oil are currently handled in used drums available within the Linden Plant, and therefore, additional containers would not be required for these wastes either. The remaining wastes in Appendix I are now disposed of in bulk and would require a total of 3588 additional 55 gallon, open head, steel drums per year for off-plant disposal as per the attached proposal. It is understood that there

*copy also
Tuberol*

April 5, 1966

is currently no surplus of used, open head, water-tight, steel, 55 gallon drums in the Linden Plant.

Based upon information received from the Corporate Purchasing Department, it is understood that the above type drum could be purchased for about \$3.50. Such a drum might require washing prior to use, depending upon the contaminant. It is also understood that the value of such a drum if sold by GAF to a reconditioner would be approximately \$1.75 to \$2.00. Therefore, an intermediate value of \$2.75 has been assumed for each additional 55 gallon open head drum required for off-plant disposal.

It should be noted that the quotations in the subject proposal are FOB the Linden Plant. Drum disposal prices are based upon a full truck load of 60 - 55 gallon drums per pick-up. All drums are to be marked as to their contents in order to facilitate segregated burial by the vendor. Pallets will not be loaded on the vendor's truck, but will be required for moving the waste drums to his vehicle. It is understood that GAF will provide the equipment and labor required to place the waste drums at the location and level of the vendor's tailgate. The vendor has represented that he will supply the necessary labor and equipment to move the drums from the pallet, located as above, onto his truck. This arrangement should be satisfactory to both parties providing proper supervision is maintained by GAF.

As indicated in the FMD February, 1966 Highlights, a quotation of \$6.00 per 55 gallon drum has been received from the A&S Transportation Company for barging the Polychlorobenzoylchloride (Amiben) Bottoms to sea for burial, 111 nautical miles southeast of Romer Shoal Light. This location has been assigned to GAF for this particular waste by the Corps of Engineers who supervise and control all marine disposal. The \$6.00 price per drum is quoted FOB the vendor's truck at the Linden Plant. The drums are to be supplied 4 on a pallet and the pallet will be taken with the waste. Plant Engineering indicates that a sufficient number of unwanted off-standard pallets come into the Plant each year to more than handle this requirement so that no additional pallet cost would be involved. The vendor has requested that GAF supply the equipment and labor required to load the drums onto his truck.

Using the \$6.00/drum quote and a waste volume of 1675 drums per year, the approximate cost for marine disposal of Polychlorobenzoylchloride (Amiben) Bottoms is \$10,050. This figure is \$3360 more than the cost of \$6690 per year estimated in the attached Appendix I for off-plant land burial as quoted by Scientific Chemical Treatment Company. The above costs do not include the value of the containers because these costs are already incurred by the existing method of disposal, land burial in the Linden Plant Dump, and, therefore, do not represent additional costs.

Based upon management's concern with the Linden Plant's present waste disposal practices and based upon the relative costs of the alternate disposal techniques available to date as outlined above, Technical Service recommends

Mr. Charles F. Bieri

- 3 -

April 5, 1966

that contracts for the off-plant burial of the liquid/solid wastes listed in Appendix I be investigated with Scientific Chemical Treatment Company by the appropriate GAF departments, providing that the "hold harmless" clauses in the attached proposal are felt to be meaningful. Help from the Corporate Legal Department is requested in this regard.

John B. Burt
John B. Burt
Process Engineering Department

JEB:ecb
Attachments

Appendix I

Additional Costs for Off-Plant Burial as per Scientific Chemical Treatment Company Proposal

<u>Waste Material</u>	<u>Disposal Price as Quoted</u>	<u>Disposal Price per 55 Gal. Drum</u>	<u>Cost for Additional Container</u>	<u>Total Disposal Cost per 55 Gal. Drum</u>	<u>1966 Estimated Waste Volume(3)</u>		<u>1966 Estimated Disposal Cost</u>
					<u>Gal.</u>	<u>Drums</u>	
Acetone/Alcohol	\$0.06/gal. (1)	bulk	bulk	bulk	75,000	bulk	\$ 4,500
Fatty Acid Residues	3.00/drum	\$3.00	\$2.75	\$5.75	20,400	371	2,130
Alkyl Phenol Bottoms	3.50/drum	3.50	2.75	6.25	90,000	1640	10,250
Metachloronitrobenzene Bottoms	3.50/drum	3.50	none	3.50	15,000	273	955
Polychlorobenzoyl-chloride (Amiben) Setup							
Bottoms	4.00/drum	4.00	none	4.00	92,000	1675	6,690
Iron Sludge	200/20,000 4.00/drum or 1/4 lb. (2)	bulk	bulk	bulk	9.81 MM lb.		49,100
Violanthrene Vat Residue	0.15/gal.	8.25	2.75	11.00	30,000	545	6,000
Tars from Para Toluidine Rec.	0.15/gal.	8.25	none	8.25	16,500	300	2,480
Tars from Butanol Rec.	0.07/gal.	3.85	2.75	6.60	2,750	50	330
Tars from Dichlorobenzene Rec.	0.10/gal.	5.50	none	5.50	44,000	800	4,400
Tars from Nitrobenzene Rec.	0.10/gal.	5.50	none	5.50	33,000	600	3,300
Waste Lub Oil	No charge for bulk pick-up		--	--	16,800	bulk	--
Skimmed Oil from Plant Effluent	4.00/drum	4.00	2.75	6.75	54,000	982	6,630
							\$96,765

(1) in vendor's tank wagon - 4,000 to 5,000 gal.

(2) in vendor's dump truck - 40,000 lb. load

(3) based upon 1965 accumulations

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

DATE May 11, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

cc Mr. J. Burt
Mr. G. Carhart
Mr. W. Fugit
Mr. E. Greening
Mr. R. Mc Carthy
Dr. J. Moran
Dr. J. Normington

SUBJECT: Waste Disposal - Linden Plant

The following is a status report.

(Number 1)

1. Scrap Anodes - The first shipment for a total of 105,400 lbs. went forward on 4/19/66, to the Harry R. Defler Corp. Terms were \$25.00/ton, equal to about \$1,325.00. We have not heard from the Defler Co. regarding the quality of our anodes. We will, however, follow up, since we currently have about half of a hopper car available.
2. Aceton/SD 40 Rec - The first 8,000 gallon tank car will go forward to Turnbull Co. The product will be used as a lubricant and cleaner in a well drilling operation. It will be sold for 6¢/gal., f.o.b. Salem, W. Virginia. A GAF car will be used to haul the material. If the product acts well in the W. Virginia operation, these people will continue to buy our material is it is available.
3. Iron Sludge - One ton was shipped gratis to the New Jersey Metals Co. I was advised that our sludge was too wet to be handled in their facilities. About 10 - 15% H₂O is all that can be tolerated as opposed to our approximate 30% H₂O. Mr. Greening is arranging for some selected material that may be submitted for revaluation. This is a good lead in my judgment, since the facilities are at Philadelphia, Pa., and ideal due to the geographic proximity of our plant.
4. Other Areas of Negotiation
 - 4.1 Tress Chemical Co., Ferry St., Newark - This company is in the distress chemical business. They are currently evaluating thirteen of our liquid/solid waste products. Chemical assays and approximate volume has also been included.

We expect to meet with these people during the week of 5/23. They are very interested in the alcohol/acetone mixture, iron sludge, and alkyl phenol bottoms. A package deal, however, is the prime objective, since this company also is in the disposal business. This, too, is a good contact due to the geographic proximity of facilities.

- 4.2 Chemitron - This company has some interest in our iron sludge. However, I think the interest is vague, since the facilities are in Kentucky.
- 4.3 Industrial Solvents Corp., Scarsdale, N.Y. - This company is in the disposal business also. A meeting has been scheduled for week of 5/16 to discuss our liquid wastes, such as, alcohol/acetone, and alkyl phenol bottoms. This also is a good lead since their storage facilities are in Perth Amboy.
- 4.4 Scientific Chemical Treatment Co. - A complete package quote has been submitted to GAF for evaluation.

This is the first status report, and will be followed by monthly reports to be issued about the middle of each month.

F. Eschle

F. ESCHLE
Production Services

FE/ks

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

DATE June 14, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

SUBJECT: Waste Disposal - Linden Plant
JUNE Report

cc Mr. J. Burt
Mr. E. Bish (2)
Mr. G. Carhart
Mr. W. Fugit
Mr. E. Greening
Mr. H. Hastrup
Mr. R. Mc Carthy
Dr. J. Moran
Dr. J. Normington
Dr. F. Grosser

@ 6/16/66
copy to
RFD.

Report # 2

This is the second monthly status report, and the details are as follows.

1. Scrap Anodes - The Harry R. Dafler Corp. has advised that our Anodes meet specs, and they are ready to take another 40 to 50 tons as soon as we are ready to ship (at \$25.00/ton). We expect to make another shipment within two months.
2. Aceton/SD 40 Alcohol Rec - The second 8,000 gallon car will be shipped week of June 13 to Turnbull Co. under the same terms, namely, 6¢/gal., F.O.B. Salem, West Virginia. Turnbull has indicated the possible purchase of two cars per month.

Eastern Color and Chemical - Also is re-evaluating the possible purchase. I have advised that any offer is to exclude reciprocity arrangement.

GAF has also submitted samples to Industrial Solvents Corp., and Tress Chemical Co. We recover about 6,000 gallons per month. With the current movement of one car per month to Turnbull and the potential of Industrial Solvent, I think we can keep the plant inventory under control.

3. Iron Sludge - New Jersey Metals still expresses a serious interest. They are awaiting a sample of product containing 10% H₂O. Other samples have been submitted to:
 - a) U.S. Dept. of Interior and Bureau of Mines
 - b) Arnold Engineering Co.
 - c) Girdler Cat Co.
 - d) Eri Plastics
 - e) Industrial Solvents
 - f) Charles Pfizer Co., Metals and Pigment Division

4. Other Areas of Negotiations

- 4.1 Tress Chemicals Co., Ferry St., Newark, N. J. - Samples have been submitted on Acton/Alcohol, Fatty Acid Residues, Alkyl Phenol Bottoms, and Iron Sludge.

- 4.2 Industrial Solvents Corp., Scarsdale, N. Y. - A brief of the chemical description of thirteen Linden liquid and solids waste products, including the annual volume, has been submitted for evaluation. Samples of our Fatty Ac Residue, Alkyl Phenol Bottoms, and Alcohol/Acetone Mixture have been forwarded for "rush evaluation". They will request samples on the remaining products after review of the brief on the chemical description.


They had expressed an interest in our Glycol Bottoms, however the annual volume of 50,000 lbs. is too low to warrant serious consideration.

- 4.3 Scientific Chemical Treatment Co. - A complete package quote for disposal of liquid/solid wastes is still active.

- 4.4 PPG - The Barium Slurry program is being activated.

Remarks:

1. A new liquid waste product will be added to our list, namely, Iso-propanol. It will be recovered in 46 and 52 Buildings, and is a by-product from Genichrom 3RSP production. Annual recovery is estimated at 120,000 lbs. Arrangements are being made to store the material in a tank wagon, and attempts will be made to sell the product after each campaign.


F. ESCHLE
Production Services

FE/ks

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

DATE June 21, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

SUBJECT: CORRECTION
Waste Disposal - Linden Plant
JUNE Report

cc Mr. J. Burt
~~Mr. C. Bieri (2)~~
Mr. G. Carhart
Mr. W. Fugit
Mr. E. Greening
Mr. H. Hastrup
Mr. R. Mc Carthy
Dr. J. Moran
Dr. J. Normington
Dr. F. Grosser

Please substitute the attached (Page 2) to the subject report, issued 6/14/66.

"by-product from Genichrom 3RSP production" appearing on the third line under "Remarks"

should read:

"by-product from Genacron 3RSP production"

FRED ESCHLE

FE/ks

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

DATE July 28, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

SUBJECT: Waste Disposal - Linden Plant
JULY Report

cc Mr. J. Burt
Mr. C. Bien (2)
Mr. G. Carhart
Mr. W. Fugit
Mr. R. Gould
Mr. E. Greening
Mr. H. Hastrup
Dr. L. Katz
Dr. J. Lawler
Mr. H. Leary
Mr. R. Mc Carthy
Dr. J. Moran
Dr. J. Normington
Dr. F. Grosser

The following is the third monthly status report.

1. Scrap Anodes

Inspection of our stockpile indicates GAF is ready to ship the second 50 ton load to the Harry R. Defler Corporation. The order for the second load has been requested. Terms are as usual, \$25.00 per ton.

Note: While inspecting the storage area, I observed a variety of debris among the anode stockpile. This condition is probably due to careless dumping habits. Contamination by debris may affect the quality of GAF anodes, regarding Defler specs. It is therefore suggested that the storage area be posted.

2. Aceton/SD 40 Alcohol Rec

Turnbull Co. has purchased two 8,000 gal. cars and has indicated further interest. Sales terms are 6c/gal., F.O.B. West Virginia.

2.1 Eastern Color and Chemical - Has re-evaluated the product and is ready to quote on 20,000 gallons.

2.2 Industrial Solvents Corp. - Is ready to buy the total available recovery, namely, 6,000 gallons per month. The formal offer is in the mail, and the terms are 6c/gal., F.O.B. Linden. Shipment will go to the Midwest in a GAF car. Mileage credits will be to GAF's account. This order should be accepted and other contacts terminated.

3. Iron Sludoe

The following contacts are evaluating the GAF product.

New Jersey Metals
U.S. Department of Interior and Bureau of Mines
Arnold Engineering Co.
Girdler Cat Co.
Eri Plastics
Industrial Solvents
Abex Corporation
Hess Construction Co.
Charles Pfizer CO., Metals & Pigments Division

Currently the Pfizer Co. is our hottest and most practical lead. They are now evaluating one ton in a pilot operation. The first meeting regarding the sale to Pfizer was held on July 8th. It was an exploratory meeting that was confined to quality, physical condition, and the materials handling aspects of the product.

Price and terms of the sale to date have been secondary, since materials handling is the major problem. In any case, Pfizer has agreed to pay for freight charges. After Pfizer has evaluated the one ton pilot operation, a second meeting will be set up (probably the last week in August).

handling
The materials/problem has also been followed. We have a quotation from C.B.C. to move via dump trucks at a rate of 20¢/100 lbs. The Central Railroad also will provide GAF with a quotation.

The second meeting with Pfizer will be at Easton to inspect the unloading and storage facilities.

The Hess Construction Co. is also interested in our sludge. In addition, they can help us with our materials handling and storage program.

4. Other Areas of Negotiation

4.1 Tress Chemical Co., Newark, N.J. - Evaluating Fatty Acid Residues, Alkyl Phenol Bottoms, and Iron Sludge.

4.2 Industrial Solvents Corp. - As previously stated, they are willing to take all available product on Aceton/Alcohol. In addition, GAF has been advised, as per memo of 7/5/66, on the following interest:

Fatty Ac Chlorides
Alkyl Phenol Bottoms
Metachloronitrolen Bottoms
Polychlorobenzoyl Chloride Bottoms
Iron Sludge
Skimmed Oil from Plant Effluent

4.3 Scientific Chemical Treatment Co. - A complete package quote for disposal of liquid/solid wastes is still active.

4.4 P.P.G. - The Barium Slurry program is being activated.

Remarks

Isopropanol Rec - In 46 and 52 Buildings the by-product from Genichrome 3RSP has been sampled. There is a very active interest. Currently we have 10,000 lbs. in storage, and I feel we can sell this product.


F. ESCHLE

FE/ks

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

JCT - 4 1966

DATE September 21, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

cc Mr. J. Burt Dr. L. Katz
Mr. C. Bien (2) Mr. F. Inzerillo
Mr. G. Carhart Dr. J. Lawler
Mr. W. Fugit Mr. H. Leary
Mr. R. Gould Mr. R. Mc Carthy
Mr. E. Greening Dr. J. Moran
Dr. F. Grosser Dr. J. Normington
Mr. H. Hastrup

SUBJECT: Waste Disposal - Linden Plant
AUGUST, 1966 Report

The August Report is the fourth status report of 1966.

1. Scrap Anodes

The Harry R. Defler Corp. has placed an order for the second carload at the usual terms, namely, \$25.00/ton, F.O.B. Linden. GAF will probably ship in October.

Note: The debris in the storage area, as reported in July, has not improved.. This contamination may affect the anode quality. This area must be posted for proper quality control.

2. Aceton/SD 40 Alcohol

Industrial Solvents Corp. has contracted for the entire recovery at Linden. As of this date, Linden has shipped two tank cars at terms of 6¢/gal., F.O.B. Linden. A GAF tank car is used for hauling, and mileage credits are therefore to the account of GAF. We are running behind schedule on shipments since our recovery of 6,000 gallons per month has been curtailed due to equipment repair and base material allocation. The buyer has registered a mild complaint regarding shortage in the line of supply.

Note: Other spot customers have been advised accordingly.

3. Iron Sludge (Amiben)

The Charles Pfizer Co., Metals & Pigments Division continues to be our hot lead. The second meeting was held at Linden (with Pfizer) on 9/8/66, regarding quality. The fourth 2,000 pounds shipment has been forwarded for evaluation. If this sample is satisfactory, a full truck load of about 35 to 40,000 pounds will be shipped. A third meeting will be held some time in September after evaluation of the latest shipment.

The materials handling aspect of this program appears to be under control. Four carriers are interested, namely, C.B.S., Keating, Colonial, and Matlock. Pfizer has been kept advised regarding the handling, and a meeting will be set up to inspect the "on site" location at Easton. Meetings also are underway

4. Glycol Bottoms

Eastern Color & Chemical Co., Inc. will take the annual 50,000 pounds of recovery at \$5.00/drum (about 500 lbs.), F.O.B. Linden.

5. Other Areas of Negotiations

5.1 Industrial Solvents Corp.

In addition to buying our Alcohol/Acetone Mixture, this company is also evaluating the following GAF products:

Fatty Ac Chloride
Alkyl Phenol Bottoms
Metachloronitrobenzene Bottoms
Polychloro Benzoyl Chloride Bottoms
Skimmed Oil from Plant Effluent
Iron Sludge

5.2 Scientific Chemical Treatment Co.

A complete package quote for disposal of liquidation/solid waste is still active.

5.3 Barium Slurry

P.P.G. has been contacted regarding the slurry.

Turnbull Co. has been provided with a sample for possible mud drilling additive.

5.4 Isopropanol Rec

This recovery is from Genacron 3RSP. We currently have about 10,000 lbs. in drums. Industrial Solvents will take this recovery in a compartment car, including the Acetone/Alcohol Mixture.

Note: Mr. Greening

Please do not recover additional product in drums. Production Services will provide a tank wagon or tank car for storage prior to shipment.

Remarks: A meeting was held at Rensselaer on 9/13/66 with Eastern Color & Chemical for the purpose of disposal arrangements. The following products are involved:

Recovered Ethanol	-	225 M lbs.
Chlor Benzol	-	128 M lbs.
Nitro Benzol	-	19 M lbs.
Piperidene	-	2 M lbs.
2° Pyridine	-	7 M lbs.

NOTE: W. Clark (Renisselaer)

A second possibility is Industrial Solvents Corp., of Scarsdale, N.Y. If the negotiations with Eastern Color & Chemical are not satisfactory, submit samples to Industrial Solvents, in care of Mr. Paul W. Siega, who has been made aware of your recoveries.


F. ESCHLE

FE/ks

INTEROFFICE CORRESPONDENCE
GENERAL ANILINE & FILM CORPORATION

DATE October 25, 1966

TO Dr. C. Buurman
LOCATION Plant Manager

FROM F. Eschle
LOCATION Production Services

cc Mr. J. Burt Dr. L. Katz
Mr. C. Bisan (2) Mr. F. Inzerillo
Mr. G. Carhart Dr. J. Lawler
Mr. W. Fugit Mr. H. Leary
Mr. R. Gould Mr. R. Mc Carthy
Mr. E. Greening Dr. J. Moran
Dr. F. Grosser Dr. J. Normington
Mr. H. Hastrup

SUBJECT: Waste Disposal - Linden Plant
SEPTEMBER, 1966 Report

*Report #5*1. Scrap Anodes

The DeFler Corp. order is on the house at the usual terms of \$25.00/ton, f.o.b. Linden. We expect and should ship in November, prior to winter conditions setting in.

Note: The debris has been traced (by Mr. Smith, of C&R) to careless dumping in the Anode Dumpster.

2. Aceton/SD 40 Alcohol

Industrial Solvents is still with GAF. We have only shipped two 8,000 gallon cars. The price is still 6¢/gal., f.o.b. Linden. The buyer is very concerned about our ability to supply. Currently we have less than 2,000 gallons of product available, which is due to the base material availability and finished goods product priority.

3. Iron Sludge (Amiben)

The Pfizer Co. is still interested. A fifth shipment of product has been requested. Pfizer's main concern is uniform product, and they are currently screening all GAF product prior to their pilot run.

We expect to set up a meeting with Pfizer, at Easton, Penna., during week of 10/24. Truckers are still interested in the hauling job.

4. Glycol Bottoms

Eastern Color & Chemical Co. is still taking our product at the rate of \$5.00/drum, f.o.b. Linden. The second load is ready for pickup.

5. Other Areas of Negotiations

5.1 Industrial Solvents is still evaluating the following GAF waste products: Fatty Ac Chlorides, Alkyl Phenol Bottoms, Metachloronitrobenzyl Bottoms, Polychloro Benzoyl Chloride Bottoms, Skim Oil from Plant Effluent, and Iron Sludge.

5.2 Scientific Chemical Treatment Co.

A complete package quote for disposal of liquidation/solid waste is still active.

5.3 Barium Slurry

P.P.G. and Turnbull Co. have samples of product. Limitations on time have not permitted effective followup.

5.4 Isopropanol Rec (From Genacron 3RSP)

We have 10,000 lbs. in drums that can be sold to Industrial Solvents, provided we can get it into a 3-compartment tank car. We can combine the load with the alcohol and acetone mixture.

Note: Mr. E. Greening

A second run has been scheduled in 46 Bldg. Please do not drum the product. Advise when schedule is firmed up and we will supply bulk storage.

Remarks:

The Recovered Solvents at Rensselaer (as per the August Report) will probably be disposed of in November. This should take Linden out of the picture, since we have established a line of communications.


F. ESCHLE
Production Services

FE/ks